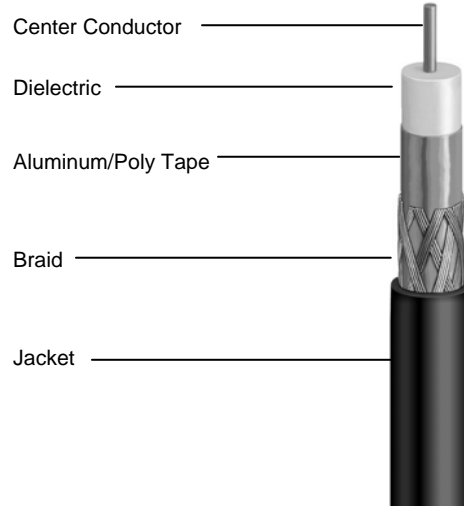


RG-6 3000-MHz 75 Ohm Coaxial Cable Part # V66/V66B NEC/CEC: CM(ETL) C(ETL)

*Specification for EchoStar

CABLE CONSTRUCTION:

- CENTER CONDUCTOR:**
 18 AWG Copper/Steel
 Diameter over Conductor: 0.0403 +/- .0004"
- DIELECTRIC:**
 Foam Polyethylene
 Diameter over Dielectric: 0.180 +/- .004"
- SHIELD:**
 Foil: Bonded Aluminum/Poly/Aluminum Tape
 Braid: 34 AWG Aluminum
 Coverage: 59% Minimum
 Diameter over Braid: 0.212 +/- .006"
- JACKET:**
 PVC
 Diameter over Jacket: 0.270 +/- 0.006"



ELECTRICAL PROPERTIES:

- SPARKER TEST:** 4000 VAC
- DIELECTRIC STRENGTH:** Conductor to Shield: 2500 VDC
- CAPACITANCE:** 16.0 +/- 0.4 pF./FT.
- IMPEDANCE:** 75.0 +/- 3.0 Ohms
- VELOCITY OF PROPAGATION:** 82 +/- 2%
- DCR:** Conductor: 29.5 Ohms/1000 Ft. Max
 Shield: 10.5 Ohms/1000 Ft. Max
 Loop: 40.0 Ohms/1000 Ft. Max
- SRL:** 100% Swept Tested

MECHANICAL PROPERTIES:

- MINIMUM BEND RADIUS:**
 Loaded: 20 Times Cable OD
 Unloaded: 10 Times Cable OD
- CABLE TEMP. RATING:**
 Operating Temp: -40°C to 75°C

ATTENUATION:

@ FREQUENCY MHz	dB/100 FT. (MAX.)	@ FREQUENCY MHz	dB/100 FT. (MAX.)
5 MHz	0.58 dB	750 MHz	5.65 dB
55 MHz	1.60 dB	1000 MHz	6.55 dB
211 MHz	3.05 dB	1200 MHz	7.23 dB
250 MHz	3.30 dB	1450 MHz	7.93 dB
300 MHz	3.55 dB	1800 MHz	8.82 dB
400 MHz	4.15 dB	2200 MHz	9.73 dB
500 MHz	4.66 dB	2250 MHz	9.84 dB
600 MHz	5.10 dB	3000 MHz	11.32 dB

